

Volume in drive D:\ is 010725.1457  
Directory of D:\

<DIR>  
<DIR>

001subst.txt 687 KB 7/20/01

1 file(s)  
Total filesize 687 KB  
2 folder(s)  
0 kilobytes free

SUBSTITUTE SEQUENCE LISTING

<110> Zyskind, Judith  
          Ohlsen, Kari L.  
          Trawick, John  
          Forsyth, R. Allyn  
          Froelich, Jamie M.  
          Carr, Grant J.  
          Yamamoto, Robert T.  
          Xu, H. Howard

<120> GENES IDENTIFIED AS REQUIRED FOR PROLIFERATION IN  
ESCHERICHIA COLI

<130> ELITRA, 001A

<160> 485

<170> FastSEQ for Windows Version 3.0

<210> 1  
<211> 159  
<212> DNA  
<213> E. Coli

<400> 1

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aaaacgttca tattgtacct ttttgtttaa ccattqqqq 159

<210> 2  
<211> 696  
<212> DNA  
<213> E. Coli

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<223> n = A.T.C or G
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-400- 3

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cgtctttccg	agcgtaaaga	gacactgggt	gatgtacgc	accgcattct	gacagtgcgg	300
atttgcgcagg	atcagggtggg	gatgtattac	cagcagccag	ggcaacaact	ggcaacctgg	360
atttgttcctc	cgggacaata	cttcatgt	ggcgacaacc	gcgacaacag	cgcggacagc	420
cgttactggg	gcttttgcc	ngaagcgaat	ctggcggcgc	nggcaacggc	tatctggatg	480
aacttcgata	accaagaagg	cgaatggccg	aatggctgc	cctaantcgc	attggcgnnt	540
ccnttaatan	ccacttcctt	cnctttgtcc	ccttatggca	acacttaatt	tatnttaaan	600
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ggccctccaaqt	tgcccqnnccc	aaacactttq	qncccc			696

<210> 3  
<211> 681  
<212> DNA  
<213> E. Coli

<220>